RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/589,045_

Source: _/FWP_

Date Processed by STIC: _8/22/06_

ENTERED

IFWP

RAW SEQUENCE LISTING   DATE: 08/22/2006
PATENT APPLICATION: US/10/589,045   TIME: 14:44:00

Input Set : **F:\seq list.txt**
Output Set: **N:\CRF4\08222006\J589045.raw**

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    5 <110> APPLICANT: Cyclacel Ltd
    9 <120> TITLE OF INVENTION: Polypeptides
   13 <130> FILE REFERENCE: P016330WO IJF
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/589,045
C--> 17 <141> CURRENT FILING DATE: 2006-08-10
   17 <150> PRIOR APPLICATION NUMBER: GB0402904.7
   19 <151> PRIOR FILING DATE: 2004-02-10
   23 <160> NUMBER OF SEQ ID NOS: 4
   27 <170> SOFTWARE: PatentIn version 3.0
   31 <210> SEQ ID NO: 1
   33 <211> LENGTH: 1059
   35 <212> TYPE: DNA
   37 <213> ORGANISM: Artificial
   41 <220> FEATURE:
   43 <223> OTHER INFORMATION: expression construct
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   48 agtaattatg ttaatatatt ggcaacaatt attcagttat ttcaagtacc attggaagag     120
   50 gaaggacaac gtggtggacc tatccttgca ccagaggaga ttaagactat ttttggtagc     180
   52 atcccagata tctttgatgt acacactaag ataaaggatg atcttgaaga ccttatagtt     240
   54 aattgggatg agagcaaaag cattggtgac atttttctga aatattcaaa agatttggta     300
   56 aaaacctacc ctccctttgt aaacttcttt gaaatgagca aggaaacaat tattaaatgt     360
   58 gaaaaacaga aaccaagatt tcatgctttt ctcaagataa accaagcaaa accagaatgt     420
   60 ggacggcaga gccttgttga acttcttatc cgaccagtac agaggttacc cagtgttgca     480
   62 ttactttaa atgatcttaa gaagcataca gctgatgaaa atccagacaa aagcacttta     540
   64 gaaaaagcta ttggatcact gaaggaagta atgacgcata ttaatgagga taagagaaaa     600
   66 acagaagctc aaaagcaaat ttttgatgtt gtttatgaag tagatggatg cccagctaat     660
   68 cttttatctt ctcaccgaag cttagtacag cgggttgaaa caatttctct aggtgagcac     720
   70 ccctgtgaca gaggagaaca agtaactctc ttcctcttca atgattgcct agagatagca     780
   72 agaaaacggc acaaggttat tggcactttt aggagtcctc atggccaaac ccgacccca     840
   74 gcttctctta agcatattca cctaatgcct ctttctcaga ttaagaaggt attggacata     900
   76 agagagacag aagattgcca taatgctttt gccttgcttg tgaggccacc aacagagcag     960
   78 gcaaatgtgc tactcagttt ccagatgaca tcagatgaac ttccaaaaga aaactggcta    1020
   80 aagatgctgt gtcgacatgt agctaacacc atttgtaaa                           1059
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   87 <212> TYPE: DNA
   89 <213> ORGANISM: Artificial
   93 <220> FEATURE:
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102 ccttcaaagc agtcagcaag gtggcaagtt gcaaaagagc tttatcaaac tgaaagtaat  180
104 tatgttaata tattggcaac aattattcag ttatttcaag taccattgga agaggaagga  240
106 caacgtggtg gacctatcct tgcaccagag gagattaaga ctatttttgg tagcatccca  300
108 gatatctttg atgtacacac taagataaag gatgatcttg aagaccttat agttaattgg  360
110 gatgagagca aaagcattgg tgacattttt ctgaaatatt caaaagattt ggtaaaaacc  420
112 taccctccct ttgtaaactt ctttgaaatg agcaaggaaa caattattaa atgtgaaaaa  480
114 cagaaaccaa gatttcatgc ttttctcaag ataaaccaag caaaaccaga atgtggacgg  540
116 cagagccttg ttgaacttct tatccgacca gtacagaggt tacccagtgt tgcattactt  600
118 ttaaatgatc ttaagaagca tacagctgat gaaaatccag acaaaagcac tttagaaaaa  660
120 gctattggat cactgaagga agtaatgacg catattaatg aggataagag aaaaacagaa  720
122 gctcaaaagc aaatttttga tgttgtttat gaagtagatg gatgcccagc taatctttta  780
124 tcttctcacc gaagcttagt acagcgggtt gaaacaattt ctctaggtga gcacccctgt  840
126 gacagaggag aacaagtaac tctcttcctc ttcaatgatt gcctagagat agcaagaaaa  900
128 cggcacaagg ttattggcac tttttaggagt cctcatggcc aaacccgacc cccagcttct  960
130 cttaagcata ttcacctaat gcctctttct cagattaaga aggtattgga cataagagag 1020
132 acagaagatt gccataatgc ttttgccttg cttgtgaggc caccaacaga gcaggcaaat 1080
134 gtgctactca gtttccagat gacatcagat gaacttccaa aagaaaactg gctaaagatg 1140
136 ctgtgtcgac atgtagctaa caccatttgt aaagcaaggg cgaattcgcg gccgcactcg 1200
138 agatatctag acccagcttt cttgtacaaa gtggttgatt cgaggctgct aacaaagccc 1260
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147 <212> TYPE: PRT
149 <213> ORGANISM: Artificial
153 <220> FEATURE:
155 <223> OTHER INFORMATION: Expressed protein
157 <400> SEQUENCE: 3
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162 Tyr Gln Thr Glu Ser Asn Tyr Val Asn Ile Leu Ala Thr Ile Ile Gln
163             20                  25                  30
165 Leu Phe Gln Val Pro Leu Glu Glu Glu Gly Gln Arg Gly Gly Pro Ile
166         35                  40                  45
168 Leu Ala Pro Glu Glu Ile Lys Thr Ile Phe Gly Ser Ile Pro Asp Ile
169     50                  55                  60
171 Phe Asp Val His Thr Lys Ile Lys Asp Asp Leu Glu Asp Leu Ile Val
172 65                  70                  75                  80
174 Asn Trp Asp Glu Ser Lys Ser Ile Gly Asp Ile Phe Leu Lys Tyr Ser
175             85                  90                  95
177 Lys Asp Leu Val Lys Thr Tyr Pro Pro Phe Val Asn Phe Phe Glu Met
178         100                 105                 110
180 Ser Lys Glu Thr Ile Ile Lys Cys Glu Lys Gln Lys Pro Arg Phe His
181         115                 120                 125
183 Ala Phe Leu Lys Ile Asn Gln Ala Lys Pro Glu Cys Gly Arg Gln Ser
184     130                 135                 140
186 Leu Val Glu Leu Leu Ile Arg Pro Val Gln Arg Leu Pro Ser Val Ala
187 145                 150                 155                 160
189 Leu Leu Leu Asn Asp Leu Lys Lys His Thr Ala Asp Glu Asn Pro Asp
190             165                 170                 175
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192 Lys Ser Thr Leu Glu Lys Ala Ile Gly Ser Leu Lys Glu Val Met Thr
193             180                 185                 190
195 His Ile Asn Glu Asp Lys Arg Lys Thr Glu Ala Gln Lys Gln Ile Phe
196         195                 200                 205
198 Asp Val Val Tyr Glu Val Asp Gly Cys Pro Ala Asn Leu Leu Ser Ser
199     210                 215                 220
201 His Arg Ser Leu Val Gln Arg Val Glu Thr Ile Ser Leu Gly Glu His
202 225                 230                 235                 240
204 Pro Cys Asp Arg Gly Glu Gln Val Thr Leu Phe Leu Phe Asn Asp Cys
205                 245                 250                 255
207 Leu Glu Ile Ala Arg Lys Arg His Lys Val Ile Gly Thr Phe Arg Ser
208             260                 265                 270
210 Pro His Gly Gln Thr Arg Pro Pro Ala Ser Leu Lys His Ile His Leu
211         275                 280                 285
213 Met Pro Leu Ser Gln Ile Lys Lys Val Leu Asp Ile Arg Glu Thr Glu
214     290                 295                 300
216 Asp Cys His Asn Ala Phe Ala Leu Leu Val Arg Pro Pro Thr Glu Gln
217 305                 310                 315                 320
219 Ala Asn Val Leu Leu Ser Phe Gln Met Thr Ser Asp Glu Leu Pro Lys
220                 325                 330                 335
222 Glu Asn Trp Leu Lys Met Leu Cys Arg His Val Ala Asn Thr Ile Cys
223             340                 345                 350
225 Lys
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230 <211> LENGTH: 434
232 <212> TYPE: PRT
234 <213> ORGANISM: Artificial
238 <220> FEATURE:
240 <223> OTHER INFORMATION: Expressed protein
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247 Tyr Lys Lys Ala Gly Ser Leu Lys Glu Pro Ile Gln Ser Thr Gly Ser
248             20                  25                  30
250 Gly Thr Glu Phe Ala Leu Pro Val Pro Ser Lys Gln Ser Ala Arg Trp
251         35                  40                  45
253 Gln Val Ala Lys Glu Leu Tyr Gln Thr Glu Ser Asn Tyr Val Asn Ile
254     50                  55                  60
256 Leu Ala Thr Ile Ile Gln Leu Phe Gln Val Pro Leu Glu Glu Glu Gly
257 65                  70                  75                  80
259 Gln Arg Gly Gly Pro Ile Leu Ala Pro Glu Glu Ile Lys Thr Ile Phe
260             85                  90                  95
262 Gly Ser Ile Pro Asp Ile Phe Asp Val His Thr Lys Ile Lys Asp Asp
263         100                 105                 110
265 Leu Glu Asp Leu Ile Val Asn Trp Asp Glu Ser Lys Ser Ile Gly Asp
266         115                 120                 125
268 Ile Phe Leu Lys Tyr Ser Lys Asp Leu Val Lys Thr Tyr Pro Pro Phe
269     130                 135                 140
271 Val Asn Phe Phe Glu Met Ser Lys Glu Thr Ile Ile Lys Cys Glu Lys
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272 145                  150                  155                  160
274 Gln Lys Pro Arg Phe His Ala Phe Leu Lys Ile Asn Gln Ala Lys Pro
275                  165                  170                  175
277 Glu Cys Gly Arg Gln Ser Leu Val Glu Leu Leu Ile Arg Pro Val Gln
278                  180                  185                  190
280 Arg Leu Pro Ser Val Ala Leu Leu Leu Asn Asp Leu Lys Lys His Thr
281              195                  200                  205
283 Ala Asp Glu Asn Pro Asp Lys Ser Thr Leu Glu Lys Ala Ile Gly Ser
284          210                  215                  220
286 Leu Lys Glu Val Met Thr His Ile Asn Glu Asp Lys Arg Lys Thr Glu
287 225                  230                  235                  240
289 Ala Gln Lys Gln Ile Phe Asp Val Val Tyr Glu Val Asp Gly Cys Pro
290                  245                  250                  255
292 Ala Asn Leu Leu Ser Ser His Arg Ser Leu Val Gln Arg Val Glu Thr
293              260                  265                  270
295 Ile Ser Leu Gly Glu His Pro Cys Asp Arg Gly Glu Gln Val Thr Leu
296          275                  280                  285
298 Phe Leu Phe Asn Asp Cys Leu Glu Ile Ala Arg Lys Arg His Lys Val
299          290                  295                  300
301 Ile Gly Thr Phe Arg Ser Pro His Gly Gln Thr Arg Pro Pro Ala Ser
302 305                  310                  315                  320
304 Leu Lys His Ile His Leu Met Pro Leu Ser Gln Ile Lys Lys Val Leu
305                  325                  330                  335
307 Asp Ile Arg Glu Thr Glu Asp Cys His Asn Ala Phe Ala Leu Leu Val
308          340                  345                  350
310 Arg Pro Pro Thr Glu Gln Ala Asn Val Leu Leu Ser Phe Gln Met Thr
311          355                  360                  365
313 Ser Asp Glu Leu Pro Lys Glu Asn Trp Leu Lys Met Leu Cys Arg His
314          370                  375                  380
316 Val Ala Asn Thr Ile Cys Lys Ala Arg Ala Asn Ser Arg Pro His Ser
317 385                  390                  395                  400
319 Arg Tyr Leu Asp Pro Ala Phe Leu Tyr Lys Val Val Asp Ser Arg Leu
320              405                  410                  415
322 Leu Thr Lys Pro Glu Arg Lys Leu Ser Trp Leu Leu Pro Pro Leu Ser
323          420                  425                  430
325 Asn Asn
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Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4

VERIFICATION SUMMARY   DATE: 08/22/2006
PATENT APPLICATION: **US/10/589,045**   TIME: 14:44:01

Input Set : **F:\seq list.txt**
Output Set: **N:\CRF4\08222006\J589045.raw**

L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date